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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.				
10/584,504	06/22/2006	Heimo Scheucher	AT03 0070 US1	4587				
65913 NXP, B.V. NXP INTELLECTUAL PROPERTY DEPARTMENT M/S41-SJ 1109 MCKAY DRIVE SAN JOSE, CA 95131	7590 12/17/2007		<table border="1"><tr><td colspan="2">EXAMINER</td></tr><tr><td colspan="2">QUINTO, KEVIN V</td></tr></table>		EXAMINER		QUINTO, KEVIN V	
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			<table border="1"><tr><td>ART UNIT</td><td>PAPER NUMBER</td></tr><tr><td>2826</td><td></td></tr></table>	ART UNIT	PAPER NUMBER	2826		
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			<table border="1"><tr><td>NOTIFICATION DATE</td><td>DELIVERY MODE</td></tr><tr><td>12/17/2007</td><td>ELECTRONIC</td></tr></table>	NOTIFICATION DATE	DELIVERY MODE	12/17/2007	ELECTRONIC	
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12/17/2007	ELECTRONIC							

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

ip.department.us@nxp.com

Office Action Summary	Application No. 10/584,504	Applicant(s) SCHEUCHER ET AL.	
	Examiner Kevin Quinto	Art Unit 2826	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 March 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>6/22/06</u> | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Tsuji et al. (USPN 6,005,294).

3. In reference to claim 1, Tsuji et al. (USPN 6,005,294, hereinafter referred to as the "Tsuji" reference) discloses a structure which meets the claim. Figure 3 of Tsuji discloses a wafer (8) that comprises a number of exposure fields (17b) and a number of lattice fields (3b) in each exposure field (17b). Each lattice field (3b) contains an IC. The wafer (8) comprises a first group of first dicing paths (2) and a second group of second dicing paths (2). All of the first dicing paths (2) of the first group run parallel to a first direction (2 in one direction) and have a first path width. All of the second dicing paths (2) of the second group run parallel to a second direction (2 in a different direction than the first) intersecting the first direction and have a second path width. The first dicing paths (2) and the second dicing paths (2) are provided and designed for a subsequent segregation of the lattice fields (3b) and the ICs contained therein. In each exposure field (17b) at least two control module fields (13, 14, 15, 16) are provided. Each of the control module fields (13, 14, 15, 16) contains at least one optical control

module since they are described as alignment marks and are therefore optical control modules (column 5, lines 3-14). Each control module field (13, 14, 15, 16) is provided in an exposure field (17b) is provided in place of a preset number of lattice fields (3b). The at least two control module fields (13, 14, 15, 16) of each exposure field (17b) are arranged at an average distance from one another extending in the second direction; the average distance is equal to at least a quarter of the side length of a side of the exposure field (17b) which extends in the second direction.

4. With regard to claim 2, the average distance is equal to the whole side length of a side of the exposure field (17b) which extends in the second direction minus the side length of a side of a lattice field (3b) which extends in the second direction.

5. In reference to claim 3, each exposure field (17b) is designed rectangular. Four control module fields (13, 14, 15, 16) are provided in each exposure field (17b). Each control module field (13, 14, 15, 16) is located in a corner region of the exposure field (17b).

6. With regard to claim 4, each control module field (13, 14, 15, 16) is provided in an exposure field (17b) provided in place of one lattice field (3b) only.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quinto whose telephone number is (571) 272-1920. The examiner can normally be reached on M-F 8AM-5PM.

Application/Control Number:
10/584,504
Art Unit: 2826

Page 4

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sue Purvis can be reached on (571) 272-1236. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KVQ

/A. Seferl
Primary Examiner
AJ 2826